



The Hexagon Imagery Program (HxIP) Program Update

Hexagon Imagery Program (HxIP)

“Create a global, high quality, 30cm data set to meet the needs of the geospatial professional “

- Truly professional program:
 - Fully rigorous acquisition and photogrammetric processing standards
 - The leading North American and European firms as partners
- Multiple content products:
 - RGB (3 band) cached ortho tile streaming service
 - RGBR (4 band) ortho tile streaming service and hard delivery
- Nationwide Coverage:
 - 30cm / 1ft GSD
 - Planned refresh schedule

- All acquisition undertaken with the ADS100 push broom sensor
 - 20,000 pixels across track
 - Sophisticated high resolution mode
- All processing follows defined requirements and specification
- Effective data processing through the XPro workflow suite
- *Ensures consistency regardless of acquisition or processing partner*
- The HxIP program will benefit from continuous Leica/Hexagon technological improvements and advancements

Background

- HxIP began in 2014
 - Contract with “Global Client”
 - Engaged the leading aerial acquisition firms (NAIP contractors) in the US
 - Leveraged the Leica sensor expertise – ADS100
 - Agreement with Esri as reseller and premium content on Esri Marketplace
 - Valtus authorized resellers (ie. Ascent GIS)
- Initial program definition
 - 1 ft WAC with 3 to 4 year refresh
 - 1 ft UAC (>50,000 population, US & CA) < 2 year refresh
 - All leaf-on acquisition
 - Coverage included continental USA, western Europe and populated areas of Canada

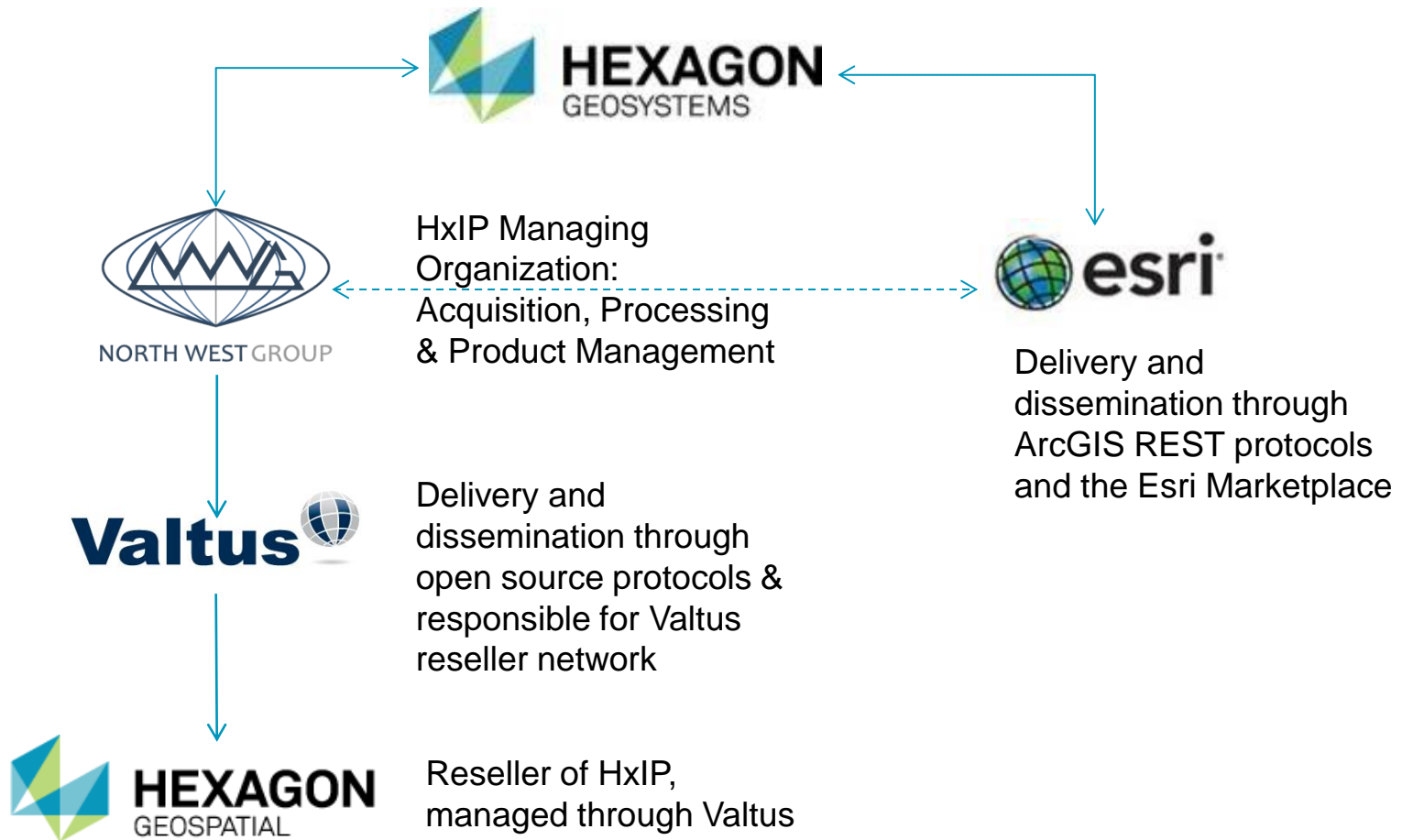
HxIP Evolution

- Program has evolved to include
 - More frequent refresh rates
 - Higher resolution and refresh rate in urban coverage areas (>50,000 pop)
 - Expanded territory
- Recent (fall 2015) program modifications
 - 1 ft WAC with a fixed 2 year refresh
 - 6 in UAC 12-18 month refresh
 - Some leaf-off acquisition (GA & FL)
 - Now will include Hawaii, Alaska Coastline and Puerto Rico
 - Australia and SE Asia under consideration

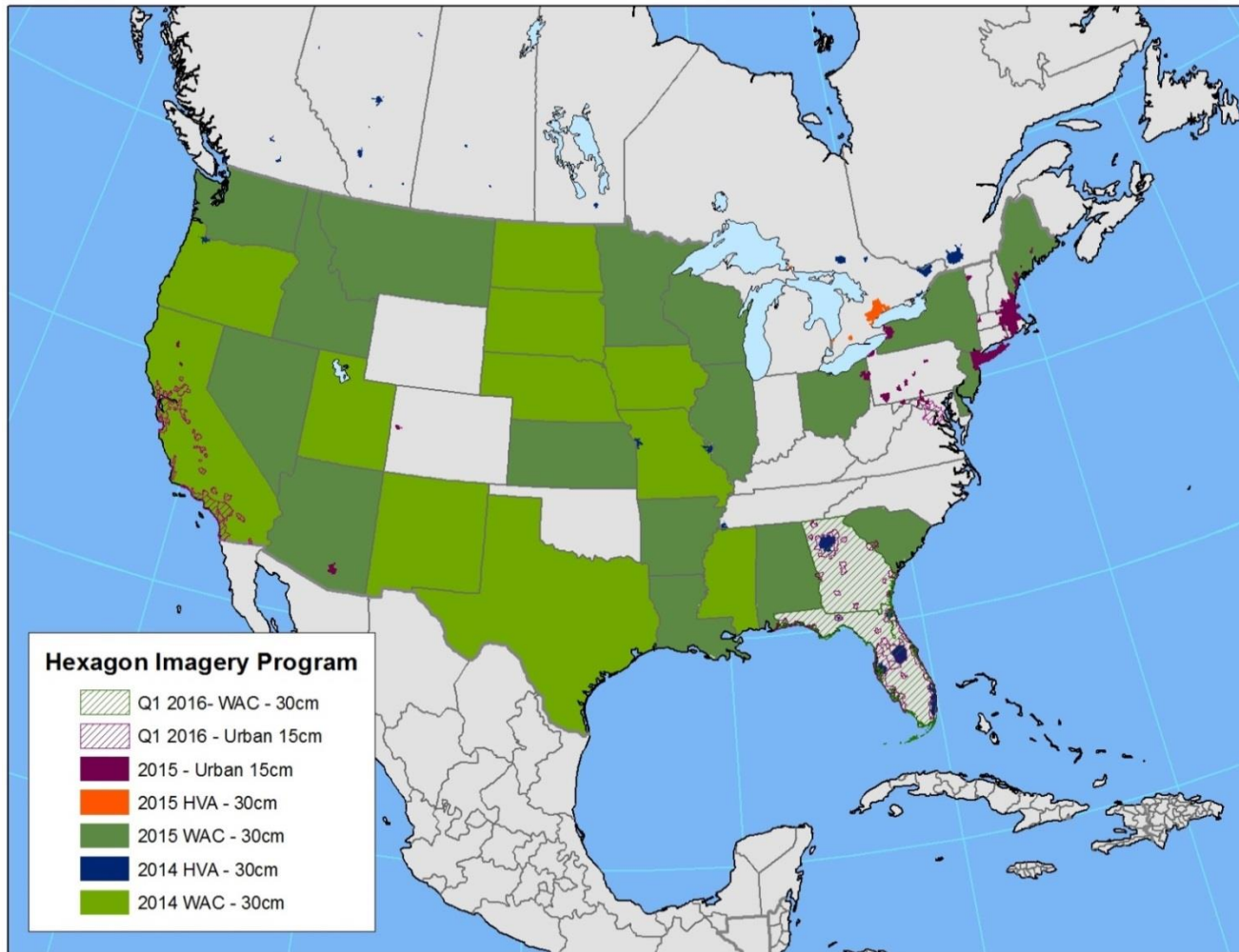
HxIP Program Team

	NAFTA	EU
Content Providers	Quantum Geospatial Surdex Corporation North West Geomatics Fugro Geospatial Kucera International Inc. Digital Aerial Solutions (DAS) CompassData	COWI Blom Pasco (AeroData) CompassData
Technology Providers	Esri – Marketplace (Amazon) Valtus - OGC Platform Hexagon Geosystems (Sensors & Production Software)	Esri – Marketplace (Amazon) Valtus - OGC Platform Hexagon Geosystems (Sensors & Production Software)
Resellers	Esri Hexagon Geospatial Valtus Distribution Partners	Esri Blom URBEX Valtus Distribution Partners

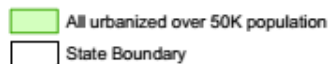
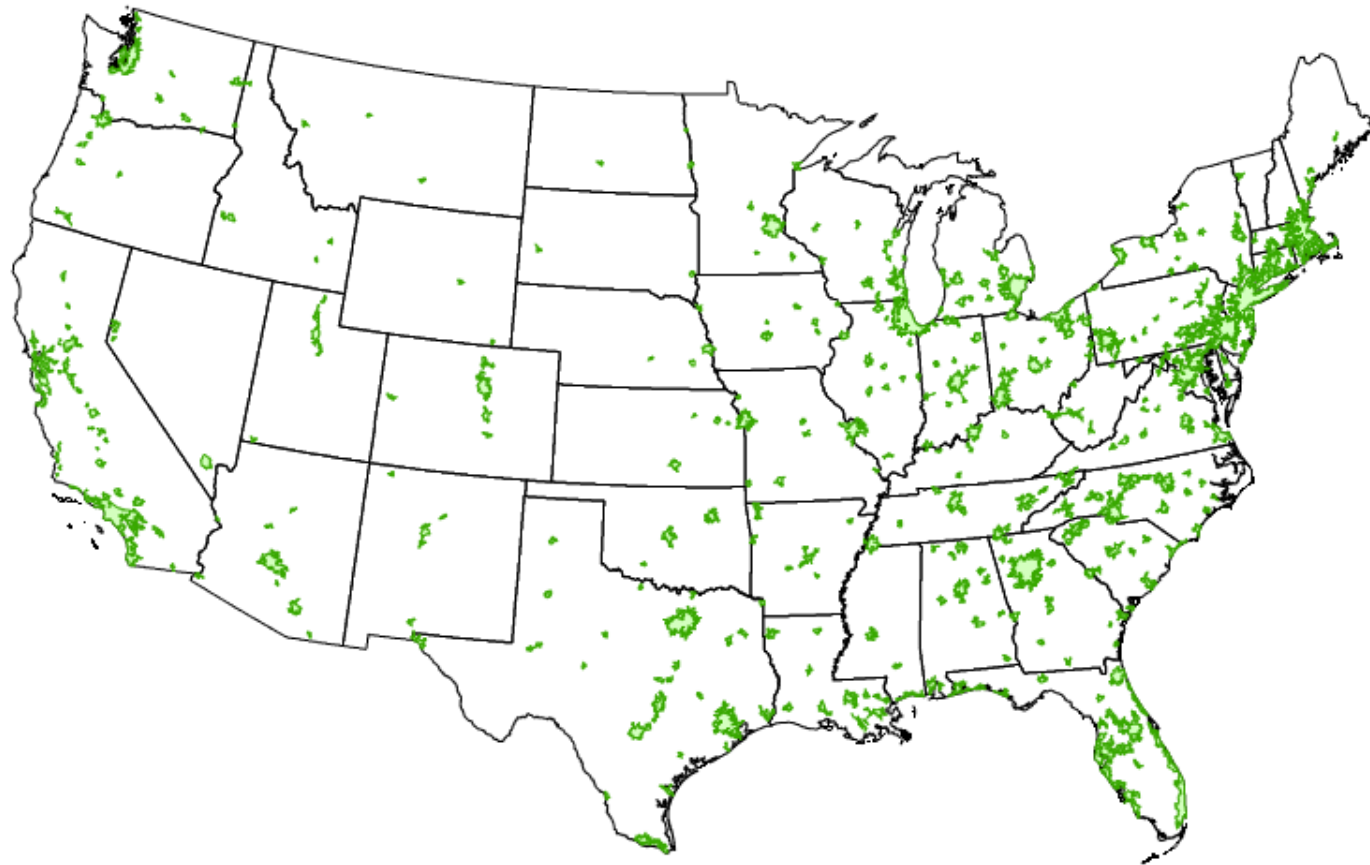
HxIP Players and Their Roles



HxIP Current Status



HxIP Urban Area Coverage



HxIP Coverage Status Viewer



<http://tinyurl.com/HxIP-status>

Licensing Considerations

- Available to State Governments/Agencies through multiple licensing options
 - State-wide Program that includes extended licensing terms and additional deliverables
 - Streaming service access for individual Agencies on a “per concurrent user” basis
 - Hard-copy delivery of site specific areas

Questions?

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